

High-Speed Rail Introduction, Benefits and Station Planning

**Palmdale to Burbank Project Section
September 2016**



Why High-Speed Rail in California?

- **Curbs Congestion**
 - » LAX to SFO is the busiest short-haul market in US
 - » 1 in 5 flights out of bay area heads to LA
 - » Six of top 30 congested urban areas in US located in California
- **Population Growth**
 - » Estimated to reach 50 million by 2050
- **Air Quality/Sustainability**
 - » Meets goals of AB 32/SB 375
 - » Worst air communities in the country
- **Alternatives are Costly**
 - » 2-3 times more expensive



High Speed Rail: Connecting California



Increase Mobility



Needed Alternative



Better Air Quality



Job Growth

High-Speed Rail: It's Happening!

- Approximately 119 miles
- Madera to North of Bakersfield
- Approximately \$3 Billion Investment



Construction Video

Video Placeholder

Southern California

- **Connect to Southern California**
 - » LA Union Station to San Francisco in 2 hours and 40 minutes
 - » Close the passenger rail gap over the Tehachapi Mountains
- **Connect within Southern California**
 - » Los Angeles to San Diego in 1 hour and 20 minutes
 - » Close the passenger rail gap between San Diego and Riverside Counties
 - » Deliver early benefits through investments in local rail connectivity projects
- **Connect to Airports**
 - » Palmdale, Hollywood Burbank, Ontario and San Diego
- **Create Multi-Modal Transportation Hubs**
 - » Transportation-oriented and sustainable development



What Is Station Area Planning?

- **Community Engagement**
- **Visioning**
- **Market and Financial Analyses**
- **Access Planning**
- **Development Scenario Analysis**
 - » Private Investment Potential
 - » Implementation Planning
- **Update Zoning and Land Use**



Station Area Planning Benefits

- Serve local communities
- Maximize multi-modal access
- Reduce land needed for new growth
- Increase High-Speed Rail ridership and revenue

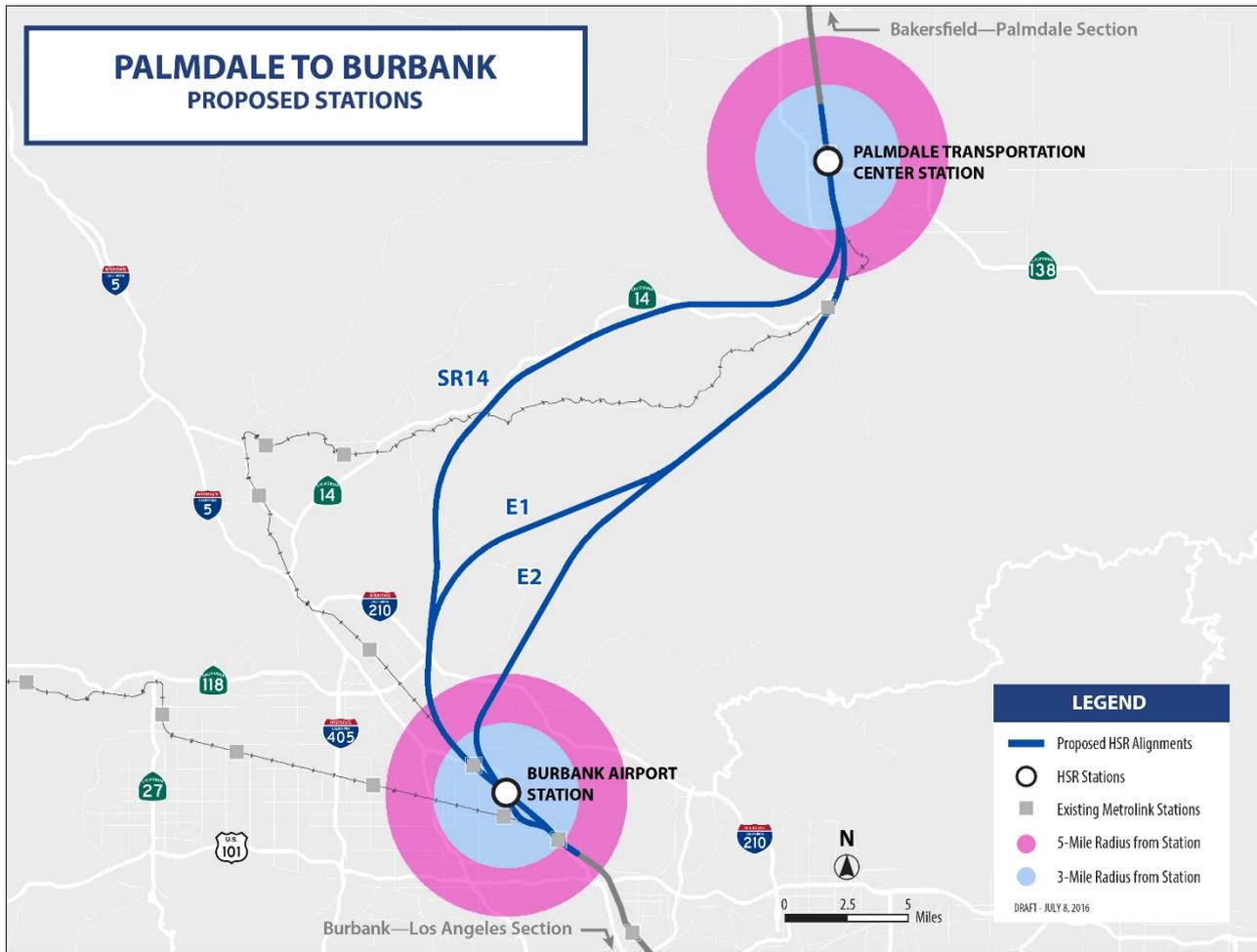


Station Area Development: General Principles & Guidelines

- Multi-modal transportation hubs
- Implement transit-oriented development policies
- Promote economic development
- Coordinate with local governments



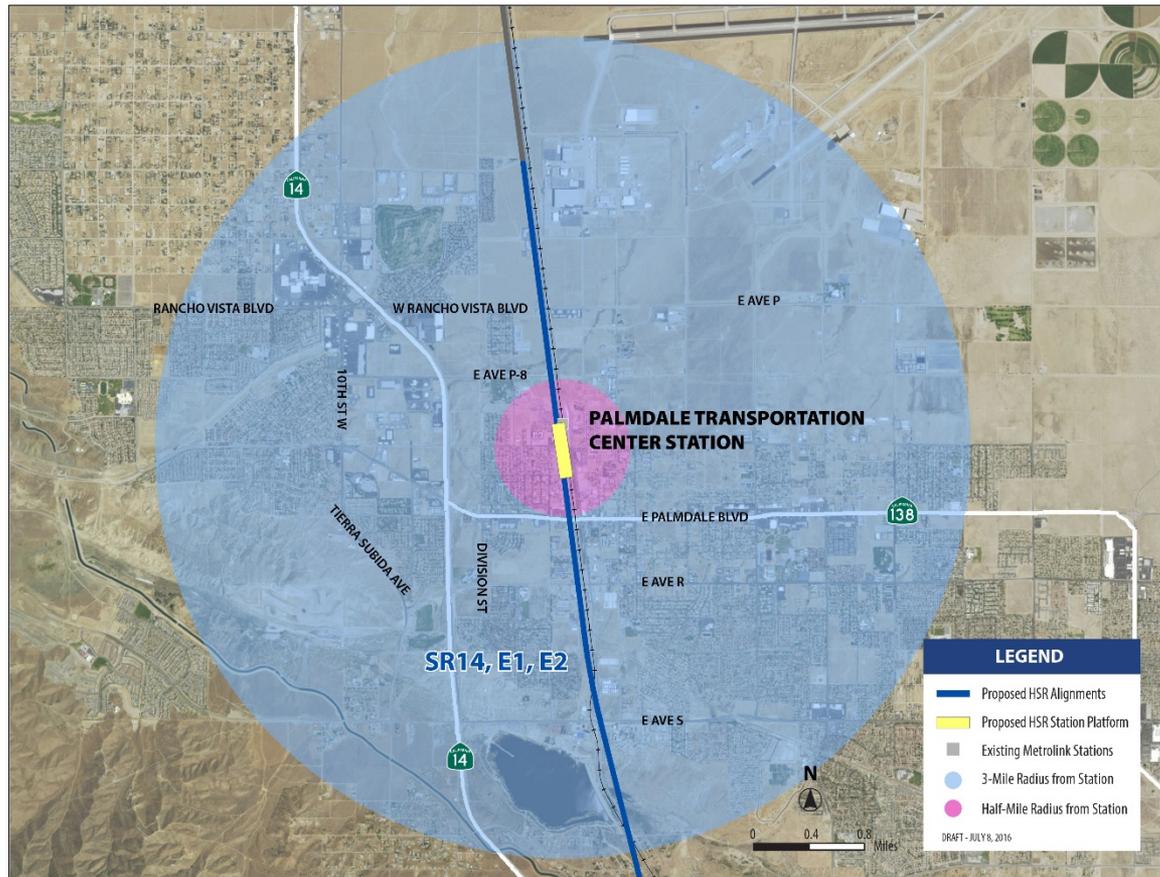
PALMDALE TO BURBANK PROPOSED STATIONS



Palmdale Transportation Center Station

- **Connects to:**

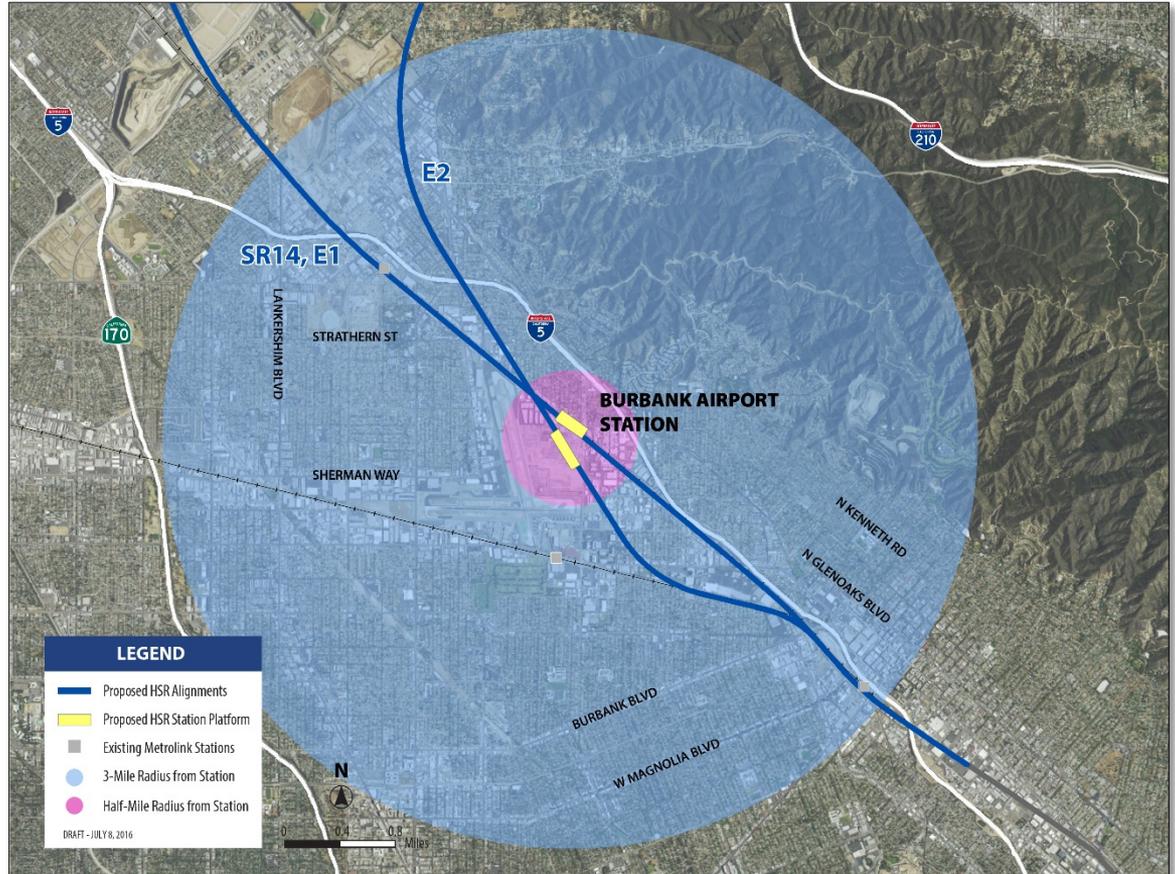
- » Metrolink Antelope Valley Line
- » Amtrak Thruway Bus
- » Antelope Valley Transit Authority
- » Santa Clarita Transit
- » Greyhound Bus



Burbank Airport Station

- **Connects to:**

- » Metrolink: Antelope Valley and Ventura County Lines
- » Amtrak Pacific Surfliner and Thruway Bus
- » Metro Regional Buses
- » Burbank Local Buses



Environmental Benefits

- **Reduce traffic and airport congestion**
- **Reduce air pollution and greenhouse gas emissions**
- **Minimize impacts to the natural and built environment**
- **Preserve wildlife corridors and mitigate impacts to wildlife movement, where feasible**
- **Increase water conservation and use non-potable water, when feasible**

Greenhouse Gas (GHG) Emissions and Savings

GHG EMISSIONS SOURCES FOR HIGH-SPEED RAIL SYSTEM



Sustainability Program

100% RENEWABLE ENERGY



100%
Recycled
Steel



100%
NET-POSITIVE
ENERGY

ALL STATIONS



Durable
Concrete

=

100
YEARS



LEED
PLATINUM

ALL STATIONS

